Kansas Department of Agriculture Division of Water Resources APPROVAL OF CHANGE APPLICATION WORKSHEET

1. File No.: 5,194	2. Status Change Date:		GMD:	ce: 02 - Stafford	
3. Package File No(s):				te: 02/25/2025	
5a. Applicant Sowner Swutch Address Change BRAD & CHERI RUFF 25588 SE 230 RD HANSTON, KS 67849	C Person ID 64691 Add Seq# 1	5b.	IDACE RUF	Add	son ID 64028 Seq # 1
5c. ☐ Owner ☐ WUC ☐ Address Change	Person ID Add Seq#	5d. ☐ Owner ☐ Address			son ID Seq#
6. Change No.: 2	□ UMW Reasonable Q:	7	 Use of Water Groundwa UMW: IRR UMW: UMW: 		Water
8. Action Trail					
9. Special Conditions					
10. 5YR Allocation Type: Star Comment:	rt Year: 5YR Quantity:	Base Acres:			
11. Sand & Gravel Proj ID:	Active	IND Evap 🔲 Jr	Evap 🗌 Oth	er Diversion	Rpt on Sr
12. Waiver Rule ID: New Date Applies: Rule No.: Rule Type: Rule SubType:	Requested:	Justification: -			
Comments			1	Processed 02/25/25 JNE Reviewed	Entered

File No. 5,19	4		13. Co	ounty: H	ODGE	MAN	Basin:	60 - BI	UCKN	ER CR	EEK	Strean	า:									
Structures File	No:		Aquife	r Code	113 - [MAIN	STEM A	ALLUV	'IUM					Spe	ecial Use	Area: -						
14. Points of Dive	rsion, Rate	es & Qua	ntities										Qty	۸Ε		Rate g	nm	C+c	orage Qt		Ctorono	Data
	PDIV	Qualif	ier S	Т	R	ID	'N	'W	Co	mment	(AKA Li	ne)	Auth		Add	Auth	Add	Aut	_	y Add	Storage Auth/Ad	
DEL	19899	SE S		21	21W		100	4374					170		170	865	865				7 (41)7 (4	*
		SW			······································			···	······································	· · · · · · · · · · · · · · · · · · ·			CON	ИΒ	170	COMB 865	865	<u>B</u>				
ENT			36	21	21W		50	4350)					ИB	COMB	COMB	COM	В				*
NO CHG	78624	NE N	W 1	22	21W	2	5047	4637	•				170 CON	/IB	170 COMB	865 COMB	865 COM	В				*
15. Limitations 16. Metering	Туре:	/letering	Quanti Quanti Requir	ty:		Rate: Rate:		C	combir	ined w ned with	n file no	o(s):	npliance	e Da	te: 12/3	1/2025						
17. Place of Use		V-FII-VII-VII-VII-VII-VII-VII-VII-VII-VI																				
PUS	E S 7	ГК	ID -	T	NE¼	1 .		1	N1/4	T	SW1/4				SE¼			Total	Owr	Owner(s) Chg? Overlaps		
			NI	NW	SW	SE	NE	NW	sw	SE	NE	NW	sw	SE	NE	NW	sw	SE				
NO CHG 3733	5 1 2	2 21W	1							<u></u>										5b		
NO CHG 5089	9 36 2	1 21W	6																	5b		
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18. Point of Di	ersion ar	nd Place	of Use	Overla	ps											,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		I				
* Quantity a	nd rate a	re com	bined								**											
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Submit completed application to: Kansas Department of Agriculture Division of Water Resources Field Office for your area. Call for address:

Topeka -- (785) 296-5733 Stafford -- (620) 234-5311 Stockton -- (785) 425-6787 Garden City -- (620) 276-2901 http://agriculture.ks.gov/dwr

DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



STATE OF KANSAS

WATER METER REQUIRED

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended. Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s)

						i	File No	5 194	1		*							F	RECEIVED
							110 110	. 0, 10						•					FEB 2 5 2025
Α	Applicat	ion is he	ereby n	nade f	or app	roval c	f the C	hief E	nginee	er to ch	nange	the (ch	eck or	ne or b	oth):				
						☐ P	lace o	f Use		\boxtimes	Point	of Dive	ersion					Sta	afford Field Office
u	nder th	ne water	right v	vhich is	s the s	ubject	of this	applic	ation i	n acco	rdance	e with t	the cor	ndition	s desc	ribed I	oelow.	DIVISIO	n of Water Reso
		rce of s					round					ce wat							
١	lame a	nd addr	ess of	Applica	ant: <u>B</u>	rad Rι	ıff												
2	5588 5	SE 230 F	RD, Ha	nston,	KS 67	849													
		Number:									-	ffarms	77@oı	utlook.	com				
Ν	lame a	nd addr	ess of	Water	Use C	orresp	onden	t: <u>Bra</u>	d & Ch	<u>neri Ru</u>	ff								
		SE 230 F	•			849													
		Number:							Email	addres	ss: <u>ruf</u>	ffarms	77@oı	<u>utlook.</u>	com				
		sently a																	
C	wner o	of Land -																	
			ADDRI	ESS:	601 E	<u>Main,</u>	Hansto	on, KS	67849)									
(I	f there i	s more th	an one	landov	vner, at	tach su	ppleme	ntal sh	eets as	neces	sary.)								
				NE	=1/4			NV	V1/4		SW1/4				SE1/4				TOTAL
Sec.	Twp.	Range	NE1⁄4	NW1/4	SW1/4	SE1/4	NE1/4	NW1⁄4	SW1/4	SE1/4	NE1/4	NW¼	SW1/4	SE1/4	NE1/4	NW¼	SW1/4	SE1/4	ACRES
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5.	Presently authorized point of diversion:						
	One in the SE Quarter o	f the	SW	Quar	ter of the	SW	Quarter
	of Section, Townsh	ip	21	South	n, Range	21	WEST,
	in <u>Hodgeman</u> County, Kansas, _	100 f	eet North _	4374	feet West of S	Southeast corner	of section.
	Authorized Rate 865 GPM (Combined) Author	100					
	(DWR use only: Computer ID No. 9						
	☐This point will not be changed ☐This point will						
	Proposed point of diversion: (Complete onl						
	One in the SE Quarter o						
	of Section, Townsh	ip	21	South	n, Range	21	WEST,
	in <u>Hodgeman</u> County, Kansas, _						
	Proposed Rate 865 GPM (Combined) Proposed						95
L	This point is: Additional Well Geo Cen	ter List othe	er water righ	ts that will	use this point <u>l</u>	NONE	·
_							
6.	Presently authorized point of diversion:						
	One in the Quarter o						
	of Section, Townsh	ip	22	South	n, Range	21	WEST,
	in <u>Hodgeman</u> County, Kansas, _	<u>5047</u> f	eet North _	4637	feet West of S	outheast come	of section.
	Authorized Rate 865 GPM (Combined) Author						
	(DWR use only: Computer ID No. 2						
	☑This point will not be changed ☐This point will						
	Proposed point of diversion: (Complete onl						
	One in the Quarter o						
	of Section, Townsh						
	in County, Kansas,						
	Proposed Rate Proposed (
L	This point is: Additional Well Geo Cen	ter List othe	er water righ	ts that will	use this point.		·
7	The changes herein are desired for the fallering	na recenso					
7.	The changes herein are desired for the followi (please be specific) The well is old and failing. The	ng reasons? e			North		
	applicant desires to move the well 10 feet South		300	200	100 0	100 200	300
	24 feet to the East.		E	nhinhinhi	<u> </u>	dendinilari in	''''
ρ	If a well, is the test hole log attached? ⊠ Yes	□ No			_ <u>=</u>	100 200 	. 🖥
o.	ii a well, is the test hole by attached? 🔼 Yes		200	-1/4-1	+ 1 =	1 + 1 + 1	200
9.	The change(s) (was)(will be) completed by?		, E	/ _	_ <u>=</u>		\=
	as soon as approved		100	<u> </u>	+ 1 =	+ +	100
	<u> 00011 40 49910104</u>			. []	' <u>=</u>		# 722
10.	If the point of diversion is a well:		E				
	(a) What are you going to do with the old well?		West 0	#1 1111 11111	% 🗶	վուսիսովուսիու	I H ☐ 0 East
			<u> </u>	_	_ <u>=</u> _		4
	plug it		100	-1 1	+ 1 =	1 + 1 -+	1 100
	(b) When will this be done? as soon as new wel	l is drilled	100 E	/' ' '	' =		/3
			E	/ _	Ţ		/ 🗒
11.	Groundwater Management District recommendation	on attached?	200	-141	+ =	+++	راً 200
	☐ Yes No		E	\	_ =	- /-	4
40	Assisted by INE // CEEO		Ę,	أتسلسلس			لمسل
12.	Assisted by JNE // SFFO	/	300	200	100 0 South	100 200 Scale: 1 hashma	300 rk=10 ft
13a	a. If the proposed point of diversion will be relocated	more than 30	0				-
	feet but within 2,640 feet of the existing point of di	version, attac	h 13b.lf the	proposed p	oint of diversion	on will be relocate	ed within a 300

3b. If the proposed point of diversion will be relocated within a 300 foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property

lines

RECEIVED

14. If the proposed groundwater point of diversion is 300 or fewer feet	from the existing point of diversion, complete the following:
 (a) Does the undersigned represent all owners of the currently au ☑ Yes ☑ No (If no, all owners must sign this ap 	uthorized place(s) of use identified in this application? plication.)
 (b) Will the ownership interest of any owner of the currently autlaffected if this application is approved as requested? ☐ Yes ☑ No (If yes, all owners must sign this approved as requested?) 	
(c) If this application is not approved expeditiously, will there be s ⊠ Yes □ No (If no, all owners must sign this ap	
If the application proposes a surface water change in point of diversion or a change in place of use, the application must be signed by all owner agent (attach notarized statement authorizing representation).	n, a groundwater change in point of diversion greater than 300 feet, ers of the currently authorized place of use, or their duly authorized
I hereby verify, being first duly sworn upon my oath or affir age and the owner, the spouse of the owner, or a duly author their behalf, in regards to the water right(s) to which this a contained in this application are true, correct and complete	orized agent of the owner(s) to make this application on application pertains. I further verify that the statements
Dated at Hanston, Kansas, th	is <u>25th</u> day of <u>February</u> , 20 <u>25</u> .
Joyl L. Raffer downer)	Candace (Spouse)
Toda L. Kuft	Candace Kutt
(Please Print)	(Please Print)
(Owner)	(Spouse)
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(Owner) (Please Print) State of Kansas	(Spouse)
(Owner) (Please Print) State of Kansas	(Spouse) (Please Print)
(Owner) (Please Print) State of Kansas County of Hodgeman	(Spouse) (Please Print)
(Owner) (Please Print) State of Kansas County of Hodgeman	(Spouse) (Please Print) my presence and sworn to before me this 25 day Notary Public
(Owner) (Please Print) State of Kansas County of Hodgeman	(Spouse) (Please Print) my presence and sworn to before me this 25 day Notary Public RICHELLE LEE
(Owner) (Please Print) State of Kansas County of Hodgeman	(Spouse) (Please Print) my presence and sworn to before me this 25 day Notary Public RICHELLE LEE
(Owner) (Please Print) State of Kansas County of Hodgeman	(Spouse) (Please Print) my presence and sworn to before me this 25 day Notary Public Notary Public RICHELLE LEE all of the applicable portions of the application form must be completed with appropriate owners must be affixed to the application and notarized; and
(Owner) (Please Print) State of Kansas County of HOdgeman I hereby certify that the foregoing application was signed in of February, 2025. My Commission Expires 9-19-2026. ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, accurate information; maps, if necessary, must be included; signatures of all the the appropriate fee must be paid. FEE SCHE	(Spouse) (Please Print) my presence and sworn to before me this 25 day Notary Public RICHELLE LEE all of the applicable portions of the application room must be completed with appropriate owners must be affixed to the application and notarized; and public this section shall be accompanied by the application fee set
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FEB **2 5** 2025

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, *et seq.* and other applicable provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.*, and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 5,194 A change application was received on February 25, 2025 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on 2. the topographic map accompanying the application to change the place of use. ☐ Applicable The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion.

Applicable 3. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. ☐ Applicable ☒ Not Applicable The point(s) of diversion authorized herein shall not actually be located more than <u>74</u> authorized point(s) of diversion.

☐ Applicable ☐ Not Applicable feet from the previously 5. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with Applicable ☐ Not Applicable K.A.R. 5-6-13. The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2025, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year.

☑ Applicable ☐ Not Applicable Installation of the works for diversion of water shall be completed on or before December 31, 2025, or within any authorized extension of time. By March 1, 2026 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. ☐ Not Applicable The completed well log shall be submitted with the required notice. □ Applicable 10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. ☒ Applicable ☒ Not Applicable 11. Additional Conditions are attached. ☐ Yes ⊠ No 12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law. FOR OFFICE USE ONLY Administrative Appeal and Effective Date of Order APPLICATION APPROVED AND If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, SUMMARY ORDER ISSUED you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within 15 days of service of this Order and a request for Duly Authorized Designee of the Chief Engineer administrative review by the Secretary must be filed within **30** days pursuant to K.S.A. 77-531. Any request for administrative (ameron (Print Name): review must state a basis for review pursuant to K.S.A. 77-527. File any request with Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS Division of Water Resources - Kansas Department of Agriculture Date of Issuance: Fehrow 66502. Failure to timely request a hearing or review may preclude review under the Kansas Judicial Review Act. State of Kansas SS For Use by Register of Deeds County of Acknowledged before me on Signature: Notary Public My commission expires: (Notary Seal) RECEIVED

DWR 1-121 (Revised 09/11/2019)

FEB 2 5 2025

Page 4

FAITH CURTIS
My Appointment Expiresile No
April 29, 2927

5,194



Stafford Field Office 300 S. Main Street Stafford, KS 67578-1521

Mike Beam, Secretary

Phone: 620-234-5311 Fax: 620-234-6900 www.agriculture.ks.gov

Laura Kelly, Governor

February 25, 2025

Brad Ruff 25588 SE 230rd Hanston, KS 67849

Re: Water Right, File No(s). 5194

Dear Water Right Owner:

Enclosed is an order executed by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the referenced file number(s).

Your attention is directed to the enclosures and to the terms, conditions and limitations specified in this approval for change. An acceptable water flow meter must be installed on your well before any water is applied as authorized under this change approval. A copy of the approved list of <u>Certified Water Flowmeters</u> as well as http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-flowmeters. If you do not have access to the internet, please contact this office and we will send you a paper copy of the referenced in formation.

Since this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

Should you have any questions, please feel free to contact this office. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

Jeff Lanterman

Water Commissioner

Enclosures

pc: Water Rights Section

Groundwater Management District No.

CERTIFICATE OF SERVICE

On this **25th** day of **February**, **2025**, I hereby certify that the attached Change in Point of Diversion for Water Right, File No. **5194**, dated **February 25**, **2025** was mailed via First Class U.S. mail to the following:

Brad Ruff 25588 SE 230rd Hanston, KS 67849

A copy of the letter was sent via electronic mail to the following:

GMD

Faith Curti

Staff

Engelbrecht, Jessica [KDA]

From:

Rosencrantz Bemis <r-bwater@hotmail.com>

Sent:

Monday, February 24, 2025 3:57 PM

To: Subject: Engelbrecht, Jessica [KDA] Re: Brad Ruff 36-21-21W Test Log

Attachments:

Ruff, Brad Test Log #2-25 (SW 36-21-21).xlsx

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Hello Jessica,

I have attached the test log for SW of 36-21-21W Total depth for this well is 95ft

Thank you,

Bobbie Milford

Executive Assistant, Rosencrantz-Bemis

From: Engelbrecht, Jessica [KDA] < Jessica. Engelbrecht@ks.gov>

Sent: Monday, February 24, 2025 3:51 PM

To: Rosencrantz Bemis <r-bwater@hotmail.com>

Subject: Brad Ruff 36-21-21W Test Log

Good Afternoon, Bobbie.

I received a call from Brad Ruff about a well he is wanting to move.

Do you have a test log for Section 36, Township 21, Range 21 West, that you could email me?

Thank you,

Gessica Engelbrecht
Environmental Scientist

KDA Division of Water Resources

Stafford Field Office

(620) 234-5311 Office

www.agriculture.ks.gov

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INPUTS	
Target Section Definition	
Section	36
Township	21
Range	21
Range Direction	W
Target Point Coordinates (NAD	27 or <i>NAD83</i>)
Target Longitude	-99.584940
Target Latitude	38.175280

Load Data and Compute

Instructions

- 1. Enter values for section, township, range and range direction.
- 2. Enter NAD27 or NAD83 longitude and latitude of target point.
- 3. Click "Load Data and Compute" button.
- 4. Use feet distances corresponding to datum of target point.

Change in Point of Diversion, File No. 5194 Proposed Point of Diversion (ID 9)

	Feet N	Feet W
Authorized Point of Diversion	100	4374
Proposed Point of Diversion	90	4350
	10	24
Distance:	26.0 feet	

	aded Section	
From L	EOBASE usir	ng <i>NAD83</i>
Corner Corner La	titudes	Corner Longitudes
SW	38.17503418	-99.58813537
NW	38.18948408	-99.58833318
NE	38.18951492	-99.57003767
SE	38.17503401	-99.56980884
Degrees Longitude	e per Foot	3.47878421E-06
Degrees Latitude p	2.74600613E-06	
*		
Target Point Dist	ances from C	orners using NAD83
Corner Feet North	n(+)/South(-)	Feet East(-)/West(+)
SW	90	-919
NW	-5173	-975
NE	-5184	4284
SE	90	4350

	Loaded Section	Data							
	From LEOBASE usi	ng <i>NAD2</i> 7							
Corner	Corner Latitudes	Corner Longitudes							
SW	38.17501800	-99.58773800							
NW	38.18946800	-99.58793600							
NE	38.18949900	-99.56964100							
SE	38.17501800	-99.56941200							
Degrees	Degrees Longitude per Foot 3.47878345E-06								
Degrees	s Latitude per Foot	2.74598553E-06							
Target	t Point Distances from C	orners using NAD27							
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)							
sw	95	-804							
NW	-5167	-861							
NE	-5178	4398							
SE	95	4464							

DRILLER'S TEST LOG

				,	_				Test No:	#2-	
	lgeman	Quarter:	SW	Section:	3	6	Townsh	nip:	21	Range: _	21
tage To		Description of	f Strata			Indicat	e Test Locatio	n by an X			
3	Top soil								1 1 1		
10	Brown cla	ау					i 				
23	Sandy, ta	n clay					ļ				
25	Small gra	vel streak			; ; ; ;				1		
39	Brown cla	ау									
50	Sand & gi	ravel - small, m	ed, clean,	coarse							
55	Sand & g	ravel - small, m	ed & brok	en					1		
	flat rock	w/ brown clay i	mixed 90/	10						 	
72	Tan clay									 	
77.5	Sand & g	ravel - med, co	arse, clear	w/					1		
	flat rock								 		
78	Flat rock	(grinding)				*			1		
87	Sand & g	ravel - small, m	ed, clean,	coarse	Static \	Nater I	Level:			-Ft	
	w/ flat ro	ock			Remar	ks:	Test hole v	vas plugg	ged.		
95	Gray shal	le									
							NAD 00				

							9.58494 VV				
					Lievati	on:					
									<u> </u>		
		·			Driller:	Luis L	una				
					1			N/ S\N			
	3 10 23 25 39 50 55 72 77.5	To 3 Top soil 10 Brown cla 23 Sandy, ta 25 Small gra 39 Brown cla 50 Sand & g 55 Sand & g flat rock 72 Tan clay 77.5 Sand & g flat rock 78 Flat rock 87 Sand & g w/ flat rock	Top soil Top soil Top soil Sandy, tan clay Sandy, tan clay Small gravel streak Brown clay Sand & gravel - small, m flat rock w/ brown clay Tan clay Tan clay Sand & gravel - med, coa flat rock Flat rock (grinding) Sand & gravel - small, m w/ flat rock	Top soil Top soil Brown clay Sandy, tan clay Small gravel streak Brown clay Sand & gravel - small, med, clean, Sand & gravel - small, med & brok flat rock w/ brown clay mixed 90/ Tan clay Tan clay Sand & gravel - med, coarse, clear flat rock Flat rock (grinding) Sand & gravel - small, med, clean, w/ flat rock	Top soil Top soil Top soil Sandy, tan clay Small gravel streak Brown clay Sand & gravel - small, med, clean, coarse Sand & gravel - small, med & broken flat rock w/ brown clay mixed 90/10 Tan clay Tan clay Sand & gravel - med, coarse, clean w/ flat rock Flat rock (grinding) Sand & gravel - small, med, clean, coarse w/ flat rock	Top soil Top soil Brown clay Sandy, tan clay Small gravel streak Brown clay Sand & gravel - small, med, clean, coarse Sand & gravel - med, coarse, clean w/ flat rock Flat rock (grinding) Sand & gravel - small, med, clean, coarse W/ flat rock Gray shale Garmin Latituc Longitt Elevati	Top soil Top soil Sandy, tan clay Sand & gravel - small, med & broken flat rock w/ brown clay mixed 90/ 10 Tan clay Sand & gravel - med, coarse, clean w/ flat rock Flat rock (grinding) Sand & gravel - small, med, clean, coarse w/ flat rock Gray shale Garmin GPS: Latitude: 38. Longitude: 9 Elevation:	Top soil Top soil Top soil Sandy, tan clay Sand & gravel small, med, clean, coarse Sand & gravel - small, med & broken flat rock w/ brown clay mixed 90/10 Tan clay Tan clay Sand & gravel - small, med, clean, coarse Sand & gravel - small, med, coarse, clean w/ flat rock Flat rock (grinding) Gray shale Garmin GPS: NAD 83 Latitude: 38.17528 N Longitude: 99.58494 W Elevation: Driller: Luis Luna	Description of Strata Top soil Top soil Sandy, tan clay Sand & gravel - small, med, clean, coarse Sand & gravel - small, med & broken flat rock w/ brown clay mixed 90/10 Tan clay Tan clay Sand & gravel - small, med, clean, coarse Sand & gravel - small, med & broken flat rock w/ brown clay mixed 90/10 Tan clay Sand & gravel - small, med, clean, coarse W/ flat rock Gray shale Garmin GPS: NAD 83 Latitude: 38.17528 N Longitude: 99.58494 W Elevation:	Description of Strata Description of Strata Indicate Test Location by an X Indicate Test Lo	Description of Strata Top soil Top soil Sandy, tan clay Sandy, tan clay Sand & gravel streak Sand & gravel - small, med, clean, coarse Sand & gravel - med, coarse, clean w/ flat rock Flat rock (grinding) Far Sand & gravel - small, med, clean, coarse W/ flat rock Flat rock Gray shale Garmin GPS: NAD 83 Latitude: 38.17528 N Longitude: 99.58494 W Elevation: Driller: Luis Luna